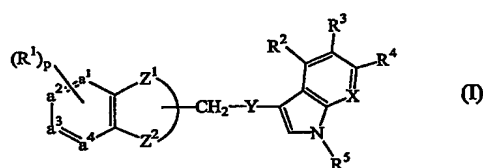


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CLAIMS

1. Indol derivatives according to Formula (I)



a pharmaceutically acceptable acid or base addition salt thereof, a stereochemically isomeric form thereof, an N-oxide form thereof or a quaternary ammonium salt thereof, wherein

-a¹=a²-a³=a⁴- is a bivalent radical of formula

- N=CH-CH=CH- (a-1),
- CH=N-CH=CH- (a-2),
- CH=CH-N=CH- (a-3) or
- CH=CH-CH=N- (a-4);

-Z¹—Z²- is a bivalent radical of formula

- O-CH₂-O- (b-1),
- O-CH₂-CH₂-O- (b-2),
- NR⁷-CH₂-CH₂-O- (b-3),
- O-CH₂-CH₂-NR⁷- (b-4),
- NR⁷-CH₂-CH₂-NR⁷- (b-5) or
- S-CH₂-CH₂-O- (b-6);

wherein R⁷ is selected from the group of hydrogen, hydroxy, alkyl, alkyloxyalkyl and alkylcarbonyl;

X is CR⁶ or N;

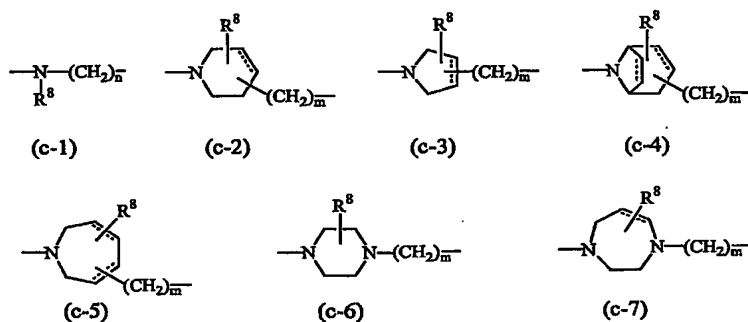
each R¹, R², R³, R⁴ and R⁶ is independently from each other selected from the group of hydrogen, halo, cyano, nitro, alkyl, alkenyl, mono- or dialkylaminoalkyl, hydroxy, alkyloxy, alkylcarbonyloxy, amino, mono- or dialkylamino, formylamino, alkylcarbonylamino, alkylsulfonylamino, hydroxycarbonyl, alkyloxy carbonyl, aminocarbonyl, mono- or dialkylaminocarbonyl, alkylcarbonyloxy alkyloxy carbonyloxy, alkylthio, aryl and heteroaryl;

p is an integer equal to 0, 1, 2 or 3;

R⁵ is hydrogen or alkyl;

Y is a bivalent radical of formula

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wherein

m is an integer equal to 0 or 1 ;

5 n is an integer equal to 0, 1, 2, 3, 4, 5 or 6 ;

the dotted line represents an optional double bond ;

R⁸ is selected from the group of hydrogen, halo, alkyl, hydroxy, alkyloxy, alkylcarbonyloxy, alkyloxy carbonyloxy, hydroxycarbonyl, aminocarbonyl, mono- or dialkylaminocarbonyl, alkyloxy carbonyl and amino ;

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alkyl represents a straight or branched saturated hydrocarbon radical having from 1 to 6 carbon atoms or a cyclic saturated hydrocarbon radical having from 3 to 6 carbon atoms ; said radical being optionally substituted with one or more phenyl, halo, cyano, oxo, hydroxy, formyl or amino radicals ;

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alkenyl represents a straight or branched unsaturated hydrocarbon radical having from 1 to 6 carbon atoms or a cyclic unsaturated hydrocarbon radical having from 3 to 6 carbon atoms ; said radical having one or more double bonds and said radical being optionally substituted with one or more phenyl, halo, cyano, oxo, hydroxy, formyl or amino radicals ;

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aryl represents phenyl or naphthyl, optionally substituted with one or more radicals selected from the group of alkyl, halo, cyano, oxo, hydroxy, alkyloxy and amino ; and

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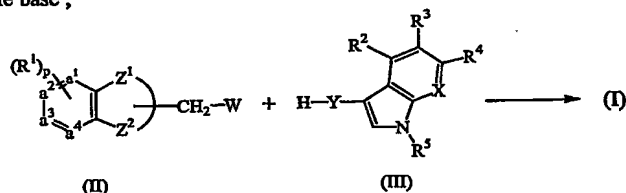
heteroaryl represents a monocyclic heterocyclic radical selected from the group of azetidiny, pyrrolidiny, dioxoly, imidazolidiny, pyrazolidiny, piperidiny, homopiperidiny, dioxyl, morpholinyl, dithianyl, thiomorpholinyl, piperaziny, imidazolidiny, tetrahydrofuranyl, 2H-pyrrolyl, pyrroliny, imidazoliny, pyrazoliny, pyrrolyl, imidazolyl,

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- pyrazolyl, triazolyl, furanyl, thienyl, oxazolyl, isoxazolyl, thiazolyl, thiadiazolyl, isothiazolyl, pyridinyl, pyrimidinyl, pyrazinyl, pyridazinyl and triazinyl ; each radical optionally substituted with one or more radicals selected from the group of alkyl, aryl, arylalkyl, halo, cyano, oxo, hydroxy, alkyloxy and amino ;
- 5 with the proviso that compounds wherein simultaneously $-a^1=a^2-a^3=a^4-$ is (a-4), $-Z^1-Z^2-$ is (b-2) and Y is (c-2) are excluded.
2. Compound according to claim 1, characterized in that $-a^1=a^2-a^3=a^4-$ is a bivalent radical of formula (a-3) or (a-4).
- 10 3. Compound according to any one of claims 1 and 2, characterized in that $-Z^1-Z^2-$ is a bivalent radical of formula (b-1), (b-2) or (b-3) wherein R^7 is hydrogen or methyl.
- 15 4. Compound according to any one of claims 1 to 3, characterized in that Y is a bivalent radical of formula (c-1) wherein $n = 3$ or (c-2) wherein $m = 0$ or 1 and R^8 is hydrogen.
- 20 5. Compound according to any one of claims 1 to 4, characterized in that X is CR^6 ; R^2 , R^3 , R^4 and R^6 are each independently hydrogen, halo, cyano, nitro or hydroxy and R^5 is hydrogen.
- 25 6. Compound according to any one of claims 1 to 5, characterized in that $-a^1=a^2-a^3=a^4-$ is a bivalent radical of formula (a-3) or (a-4) ; $-Z^1-Z^2-$ is a bivalent radical of formula (b-1), (b-2) or (b-3) wherein R^7 is hydrogen or methyl ; Y is a bivalent radical of formula (c-1) wherein $n = 3$ or (c-2) wherein $m = 0$ or 1 and R^8 is hydrogen ; X is CR^6 ; R^2 , R^3 , R^4 and R^6 are each independently hydrogen, halo, cyano, nitro or hydroxy and R^5 is hydrogen.
- 30 7. Compound according to any one of claims 1 to 6 for use as a medicine.
8. A pharmaceutical composition comprising a pharmaceutically acceptable carrier or diluent and, as active ingredient, a therapeutically effective amount of a
- 35 compound according to any one of claims 1 to 6.

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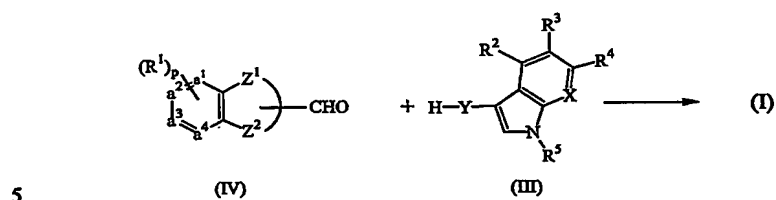
9. The use of a compound according to any one of claims 1 to 6 for the preparation of a medicament for the prevention and/or treatment of a disorder or disease responsive to the inhibition of dopamine D₂, D₃ and/or D₄-receptors.
- 5 10. The use of a compound according to any one of claims 1 to 6 for the preparation of a medicament for the prevention and/or treatment of a disorder or disease responsive to the inhibition of serotonin reuptake and antagonism of 5-HT_{1A} receptors.
- 10 11. The use of a compound according to any one of claims 1 to 6 for the preparation of a medicament for the prevention and/or treatment of a disorder or disease responsive to the combined effect of a dopamine D₂, D₃ and/or D₄ antagonist, an SSRI and a 5-HT_{1A}-agonists, partial agonist or antagonist.
- 15 12. The use of a compound according to any one of claims 1 to 6 for the preparation of a medicament for the prevention and/or treatment of affective disorders such as general anxiety disorder, panic disorder, obsessive compulsive disorder, depression, social phobia and eating disorders ; and other psychiatric disorders such as, but not limited to psychosis and neurological disorders.
- 20 13. The use of a compound according to any one of claims 1 to 6 for the preparation of a medicament for the prevention and/or treatment of schizophrenia.
- 25 14. Process for the preparation of a compound according to Formula (I) characterized by either
- (a) alkylating an intermediate of Formula (III) with an intermediate of Formula (II), wherein all variables are defined as in claim 1 and W is an appropriate leaving group, in a reaction-inert solvent and optionally in the presence of a suitable base ;



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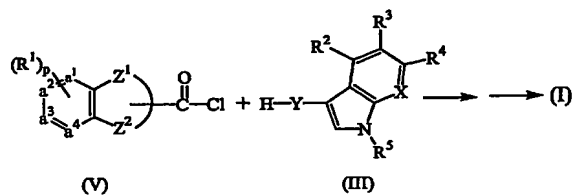
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(b) reductively aminating an intermediate of Formula (IV) is with an intermediate of Formula (III) in a reaction-inert solvent and in the presence of a reducing agent.



(c) reacting an acid chloride of Formula (V) with an intermediate of Formula (III) in a reaction-inert solvent and in the presence of a suitable base, followed by reduction of the corresponding amide intermediate formed in a reaction-inert solvent and in the presence of a reducing agent ;

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(d) and, if desired, converting compounds of Formula (I) into each other following art-known transformations, and further, if desired, converting the compounds of Formula (I), into a therapeutically active non-toxic acid addition salt by treatment with an acid, or into a therapeutically active non-toxic base addition salt by treatment with a base, or conversely, converting the acid addition salt form into the free base by treatment with alkali, or converting the base addition salt into the free acid by treatment with acid; and, if desired, preparing stereochemically isomeric forms, *N*-oxides thereof and quaternary ammonium salts thereof.

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